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cgcagagggtg ggggtgctggg gctgcacgat ttttgcctg cgtcccttct ctttggggct 2820
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<210> 327
<211> 262
<212> DNA
<213> Homo sapiens

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<220>
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<222> (74)..(74)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, t or u

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<222> (154)..(154)
<223> n is a, c, g, t or u

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<220>
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<223> n is a, c, g, t or u

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<223> n is a, c, g, t or u

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<223> n is a, c, g, t or u

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<220>
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<223> n is a, c, g, t or u

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<223> n is a, c, g, t or u

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<400> 327
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ngcgantacc cntgggcatg at 262

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<210> 328
<211> 521
<212> DNA
<213> Homo sapiens

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<400> 328
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aactacttta tttgaaatgc taaaaattcc caaaatatca gatatatcca taagaagaaa 240
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<210> 329
<211> 390
<212> DNA
<213> Homo sapiens

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<400> 329
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gcaggaagga gaggaaaaga aaaaaagaca aaggaggagt gagagaaaaa aatccagttc 180
agcacaacaa aagtgcacaa gctcacctac ccaaatggca ttaagacctc gttgtgtaat 240
cgtgtcagaa aacaaagcat actgacacat agggcctttac ttcccatcca cttgagtttt 300
aagaggtaaa ttaaaaagct ccttgggaag gggacatgag gttgttcaaa aacccaacaa 360
agaaaattaa aaaaaaaaaga gagagagaaa 390

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<210> 330
<211> 455
<212> DNA
<213> Homo sapiens

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<400> 330
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 tcaaggaacc tagaatgca gtggctaaat agggtagaca aacttggaga tgcaatttga 180
 ggtccctatt tggatcctgt gctacctcc ttggcgacc cacttaactc ctctgcacct 240
 ctgactcttc gtgtataaaa taagaatgca ggattacatg agagctaagg tcccagttag 300
 cggcaaat ttttgggac tagacttact gatgtttctc tgactcagtt cctgacaaga 360
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<210> 331
 <211> 1988
 <212> DNA
 <213> Homo sapiens

<400> 331
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ttcaactt 1988

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<210> 332
<211> 1529
<212> DNA
<213> Homo sapiens

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atttatttat tatttatttt aaatgtttac atcttcttta tgttgtatca agcctgaata 420
gaaactgata gcattaaaat actcccgctc ctctctctct tctcgcttcc tttttttttt 480
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ttaagggtcc ggataaacag ggatcacatc ctctggacag ggtcgacaaa atctctgtc 600
ggcaaccogg gaactcgcgc ttccaaaaat ttcccggtgt gaaggtcccc atagcgggtc 660
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<210> 333

<211> 822

<212> DNA

<213> Homo sapiens

<400> 333

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ccacttggtt aagtggtatg actatcaaga agatggttcg gtacttctga cttgtgatgc	180
agaagccaaa aatatcatcat ggtttaaaga tgggaagatg atcggtcttc taactgaaga	240
taaaaaaaaa tggaaatctgg gaagtaatgc caaggacctc cgagggatgt atcagtgtaa	300
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<210> 334
 <211> 2918
 <212> DNA
 <213> Homo sapiens

<400> 334
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 gggagtcgta ctgagcagct tccgaagccg ggaccccgaa gaggggtggg gccaggtgg 240
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<210> 335
 <211> 1755
 <212> DNA
 <213> Homo sapiens

<400> 335
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 gccggactcg cctaa 1755

<210> 336
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<400> 336
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<210> 337
<211> 539
<212> DNA
<213> Homo sapiens

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<400> 337
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ccctgcaacc tcgcctctcc gggttcatgt gattctcctg cctcagctc ccagtagct 240
gggaatacag gcacccgcc ccatgcccgg ctaatttttg tagtttttag agagacgggg 300
tttcatcatg ttggacaggc tggctctgaa ctctgacct caggtgatcc atcagcctgg 360

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gcctcccaaa gtactgggat tacaggcatg agccaccaca cctggcccca ttttttattt 420
attacaaaaa caaagacatg ggtgatgcct ggcacatggt gtctggagtc tggcacactg 480
gttatcaata gcacattcag tgtattcagt gatgtcattc tttatttatt tttagagaca 539
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<210> 338
<211> 396
<212> DNA
<213> Homo sapiens
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<400> 338
ccgctgccat ggccaagtgg caaattcacc aaacggctca gcaagcctgg caccggcggt 60
gacccggca gagcgtgtct gaggccgtgc ggggctccgt ggtgctggaa aaggccaaag 120
ttgttgagcc cctggactat gagaatgtta ttgccaaaag aaaaaccagc atttacagcg 180
accccctcgg agatctgctt atgttcccaa tggaagatat atctatctcg gtgataggtc 240
gtcaacgcag aacgggtcag tctactgtac cagaagatgc tgaaaagagg gccagagtt 300
tatttgtaa agagtgtatt aaaacctata gcacagattg gcacgtggta aactacaagt 360
atgaggactt ctctggggac ttctgaatgt tgccat 396
```

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<210> 339
<211> 409
<212> DNA
<213> Homo sapiens
```

```
<400> 339
ggatccatcc cgcctcccg cgtctcactg tgtgccctac cctttgaaac acgccccgcg 60
gcccgccctg ccgtagacca ggcagcgagg aagcccacag tctccggggg cgctgcggaa 120
tgtagtcacg tgcttctcga aacaccgcat ccccggggtc ccgccccgcc cggcgcgcg 180
actcgaaccc gccagagag cggttcgtgg cgctgggtgc gagcagggtc tagccacccc 240
caccctcacc tcacctcagg ccacctgtct tttttcaggt tcacaaaggt ttgcgcagt 300
gatccgcgaa tgaagccagc ctggaagatc ccagttctcg agacagagcc tgacaggggc 360
agatgcactg gaaggacctt gtctgggttt agcaaccaag cagccatcc 409
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<210> 340
<211> 552
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, t or u
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<400> 340
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cattttctaa aaaaacccaa aaattccctt acatcgccct aaacatttat taaggggggg 180
ggaaaaaacc tttttcaatt ttttaagcggg ccaaaaaaaa accctttccc caacttttaa 240
aattttttta aaaaaaaagc caatttatat gggcatttgg ggggtccggg gcataaaaaa 300
acaggcattt tcccacacgg gccaaaaacc aacaacaag gggccttttt ttggggggaa 360
attaantttc aaaggcaag ggggtcaaag gggccccaag gggctgcccc ccccggaag 420
aaaaccccac aaaaataatg aagtttgagg ggggccaccg cgggtccca aaaagggttc 480
tttcttcctt attttttaaa aaaacaaggg ggccctaggg ggggggagaa aaaaaacca 540
ctttaatata ga 552

```

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<210> 341
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 341
tttttttttt tttgatttta acaatgaatt tcagggttaa tgatttttta ctttccctct 60
gaaagacagt tgaaaaggac acaaatgatt cacaacagag gtttatgttt gaggtgatca 120
ccactaatac acactttgaa aagtaccatc accatatata tatttgcttt aaaaaattat 180
gacaagcttc aggtaaaaat aattttttaa ggggtccattt ttcatattacg tacaatcagt 240
acatcttatt tacatatatg actggatctt tattctattt tcttcatata agatatttta 300
actggttagt aactgctcta ttctgttttt atagaaagac taaacacctt atttacaggc 360
agttttgatg atgctagtgt gtctccaaat tacgtactga atatagttaa aatcttaatg 420
aataacataa aaattaagat ccggtattaa cagactattt tatgggtcac actg 474

```

```

<210> 342
<211> 2379
<212> DNA
<213> Homo sapiens

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<400> 342
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ccgggggtcac ccggagcct gtccgctatg cggctcctgc ctctagcccc aggtcggtgc 120
cggcggggca gcccccgcca cctgcctctc tgcagcccag cgctgtact gctggtgctg 180
ggcggtgtgc tgggggtctt cgggggtggt gcgggaacc cggagcccaa cgtggtgctg 240
ctctccacgg acgaccagga cgaagtgtct ggccgcatga caccactaaa gaaaacaaaa 300

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gctctcatcg gagagatggg gatgactttt tccagtgcct atgtgccaa tgctctctgc	360
tgccccagca gagccagtat cctgacagga aagtaccac ataatacatca cgttggtgaac	420
aacactcttg aggggaactg cagtagtaag tcctggcaga agatccaaga accaaatact	480
ttcccagcaa ttctcagatc aatgtgtggt tatcagacct tttttgcagg gaaatattta	540
aatgagtacg gagccccaga tgcagggtga ctagaacacg ttctctctggg ttggagttac	600
tggtatgcct tggaaaagaa ttctaagtat tataattaca ccctgtctat caatgggaag	660
gcacggaagc atggtgaaaa ctatagtgtg gactacctga cagatgtttt ggctaagtgc	720
tccttggact ttctggacta caagtccaac tttagacct tcttcatgat gatcgccact	780
ccagcgcttc attcgcttg gacagctgca cctcagtacc agaaggcttt ccagaatgtc	840
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caagccaaga ctccaatgac taattcttca atacagtttt tagataatgc atttaggaaa	960
agggtgcaaa ctctcctctc agttgatgac cttgtggaga aactgggtcaa gaggtggag	1020
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gatgggatgt ccttattgcc cattttgaga ggtgccagta acttgacctg gcgatcagat	1320
gtcctggtgg aataccaagg agaaggcctg aacgtcactg acccaacatg ccttccctg	1380
agtctggcg tatctcaatg cttccagac tgtgtatgtg aagatgctta, taacaatacc	1440
tatgccttg tgaggacaat gtcagcattg tggaaattgc agtattgcga gtttgatgac	1500
caggaggtgt ttgtagaagt ctaataatctg actgcagacc cagaccagat cactaacatt	1560
gctaaaacca tagaccaga gcttttagga aagatgaact atcgggttaat gatgttacag	1620
tcctgttctg ggccaacctg tcgcactcca ggggttttg accccggata caggtttgac	1680
ccccgtctca tgttcagcaa tcgcggcagt gtcaggactc gaagattttc caaacatctt	1740
ctgtagcgac ctccacacgc ctctgcagat ggatccctgc acgcctcttt ctgatgaagt	1800
gattgtagta ggtgtctgta gctagtcttc aagaccacac ctggaagagt ttctgggctg	1860
gctttaagtc ctgtttgaaa aagcaacca gtcagctgac ttctctgtg aatgtgttaa	1920
actgtgaact ctgcccattg gtcaggagtg gctgtctctg gtctcttctt ttagctgaca	1980
aggacactcc tgagggtctt gttctcactg tatttttttt atcctggggc cacagttctt	2040
gattattcct cttgtgggta aagactgaat ttgtaaaccc attcagataa atggcagtac	2100
tttaggacac acacaaacac acagatacac cttttgatat gtaagcttga cctaaagtca	2160

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aaggacctgt gtagcatttc agattgagca cttcactatc aaaaatacta acatcacatg 2220
gcttgaagag taaccatcag agctgaatca tccaagtaag aacaagtacc attgttgatt 2280
gataagtaga gatacatgtt ttatgatgtt catcacagtg tggtaagggt gcaaattcaa 2340
aacatgtcac ccaagctctg ttcattgttt tgtgaattc 2379

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<210> 343
<211> 558
<212> DNA
<213> Homo sapiens

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<400> 343
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acatgtattt acatgattgc tacatacaaa attacagcac tgtggtatgt acacatctac 120
aggtacatto ttgccgcgca tccctgctgt gctttcccca cgtgaggagg ggaggggagac 180
tgaatcggtt gttgacagct gagggctggc cgggcgcgag agcctctagc ttggggcctg 240
ggttgaggag gatgtactat tgtcacacat tcatcaacta ttatctgctc ttttttccaa 300
tctttttgca atttcttctc cttatctcat cttacctcct ctttcgctag taatgaacta 360
actccccaac gttgttctac attccgtccg actcttttta taactctcta tacatgtttac 420
tgcattctta tacattctta acatactagc tgcggatgta atagctactt ctgttcgttt 480
gattaacato ctatttcaac ttattagatt gctatgttcc cttcatattt tactagattt 540
cgggtcgtat tattttga 558

```

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<210> 344
<211> 569
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, t or u

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<221> misc_feature
<222> (131)..(131)

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<223> n is a, c, g, t or u

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<223> n is a, c, g, t or u

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<222> (136)..(138)
<223> n is a, c, g, t or u

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<221> misc_feature
<222> (146)..(148)
<223> n is a, c, g, t or u

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<222> (156)..(156)
<223> n is a, c, g, t or u

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<222> (162)..(162)
<223> n is a, c, g, t or u

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<222> (164)..(165)
<223> n is a, c, g, t or u

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<222> (172)..(173)
<223> n is a, c, g, t or u

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<222> (175)..(175)
<223> n is a, c, g, t or u

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<222> (177)..(177)
<223> n is a, c, g, t or u

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<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, t or u

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<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, t or u

<220>
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<222> (194)..(194)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (202)..(203)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (205)..(206)
<223> n is a, c, g, t or u

<220>
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<222> (211)..(211)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, t or u

<220>
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<222> (222)..(222)
<223> n is a, c, g, t or u

<220>
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<222> (228)..(228)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (230)..(231)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (261)..(262)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, t or u

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<222> (286)..(286)
<223> n is a, c, g, t or u

<220>
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<222> (291)..(291)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (325)..(326)
<223> n is a, c, g, t or u

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<221> misc_feature
<222> (330)..(331)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, t or u

<220>

<221> misc_feature
 <222> (344)..(344)
 <223> n is a, c, g, t or u

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 gcaggctccg gcggccttct tgtccctgc tttggtggca ccccccgc aa ctgtctgtct 120
 cntttcncgg ncngcnnngc ggcccnngg tgggtgtct gngnngctct cncncncnt 180
 ggggttgsn gggnccttt cncnntggs ngctcnccg gacttcnng nttttggcc 240
 ntcttcncg ttttttcng nncggcgntc nmtgcgtttt ccttcngctc ngcggmcttg 300
 cgtgsgntgt gggcgctgt ggcgnntcc ntnenggggc gntngccggc gcttatttgg 360
 cctggtmtgt tcaggataat cacctgagca gtgaagccag ctgcttccat tgggtgggtca 420
 ttttgcctgt caccagcaac gttgccagc cgacatcct tgcagmcac attcttgccm 480
 ttgcagcccm cattgtcccc cggcagmgct tcaactcaaag cttcatggtg catttcgaca 540
 gattttactt ccgtgttwac gttgactgg 569

<210> 345
 <211> 1536
 <212> DNA
 <213> Homo sapiens

<400> 345
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 ccacagatca gaaatccgat ggagcggatg tatcgagaca cattctaca caactttgaa 120
 aacgaacca tcctctatgg tcggagctac acttggctgt gctatgaagt gaaaataaag 180
 aggggcccgt caaatctcct ttgggacaca ggggtcttct gaggccagggt gtatttcaag 240
 cctcagtacc acgcagaaat gtgcttcctc tcttggttct gtggcaacca gctgctgct 300
 tacaagtgtt tcagatcac ctggtttgta tcctggaccc cctgcccgga ctgtgtggcg 360
 aagctggcgc aattctctgc tgagaccccc aatgtcacc tgaccatctc tgccgccgc 420
 ctctactact actgggaaag agattaccga agggcgctct gcaggctgag tcaggcagga 480
 gcccgctgta cgatcatgga ctatgaagaa ttgcatact gctgggaaaa ctttgtgtac 540
 aatgaaggtc agcaattcat gccttggtac aaattcgatg aaaattatgc attcctgcac 600
 cgcacgctaa aggagattct cagatacctg atggatccag acacattcac tttcaacttt 660
 aataatgacc ctttggctct tcgacggcgc cagacctact tgtctatga ggtggagcgc 720
 ctggacaatg gcacctgggt cctgatggac cagcacatgg gctttctatg caacgaggct 780
 aagaatcttc tctgtggctt ttacggcgc catgcggagc tgcgctctt ggacctggtt 840
 ccttctttgc agttggaccc ggcccagatc tacagggtca cttggttcat ctctggagc 900

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cctctgttct cctggggctg tgccggggaa gtgcgtgcgt tccttcagga gaacacacac 960
gtgagactgc gcactcttcg tgccgcgcgc tatgattacg accccctata taaggaggcg 1020
ctgcaaatgc tgcgggatgc tggggcccaa gtctccatca tgacctacga tgagtgtgag 1080
tactgtctgg acacctttgt gtaccgccag ggatgtccct tccagccctg ggatgggacta 1140
gaggagcaca gccaaagccct gagtgggagg ctgcggggcca ttctccagaa tcagggaaac 1200
tgaaggatgg gcctcagctc ctaaggaagg cagagacctg ggttgagcag cagaataaaa 1260
gatcttcttc caagaaatgc aaacagaccg ttcaccacca tctccagctg ctccagacac 1320
ccagcaaacg aatgtgtctc tgatcaagta gattttttaa aaatcagagt caattaattt 1380
taattgaaaa tttctcttat gttccaagtg tacaagagta agattatgtc caatattccc 1440
agaatagttt tcaatgtatt aatgaagtga ttaattggct ccatatttag actaataaaa 1500
cattaagaat ctcccataat tgtttccaca aacact 1536

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<210> 346
<211> 476
<212> DNA
<213> Homo sapiens

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<400> 346
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ccttctctca atctgacttt tgtctcttgg cttccccccag cctccccctc atcctcactg 180
gcctttccag cctccacctt ggtctctgga cttccctctg cctcttccct gatgtctagc 240
ctgcctccag gctcagcctg cttgtcctcc ccaacttccc agcatgcctg ctcttcccca 300
ccctgtccca gagcctgcct tccacatcct gctgcctctc cctccagact ccctgaaccc 360
ttccagattg ggggttttag tcccagaagg ggacttaggt catcataggc actcaggaag 420
acttctccc cattttcttc ctcaacttca ggctggggc cagcggagtc caggga 476

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<210> 347
<211> 412
<212> DNA
<213> Homo sapiens

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<400> 347
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ggttacaatc gtcttaataa tttctgaagt ttaaatacaa tctgcataat aatgttacta 120
taaaatgtaa actttcagtg ttctttttaa ttcaaaaac acactttttt tttttttggg 180
ctttttggct tttttttttt ttttctttt aatacctgaa tgttctgcga aaactgaaat 240

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tgttacaggc caccctgccg cgccagggc gagacaggct gggccaccc agaggtagaa	300
agtagtttta tgttttttaa aaattttttt aagttttttt ttttttctc ctattacctg	360
agtttcaggc gtggttccca cgccgtctga caaactccag agaaactgaa at	412

<210> 348
 <211> 1268
 <212> DNA
 <213> Homo sapiens

<400> 348 gccaggaccc tggaaggaag caggatggca gccggaacag cagttggagc ctgggtgctg	60
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ccactgggtgc tgaagtgtaa gggggccccc aagaaaccac ccagcgctg ggaatggaaa	180
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gacagtgtgg ctcgtgtcct tcccaacggc tccctcttcc ttccggctgt cgggatccag	300
gatgagggga ttttccgggt ccaggcaatg aacagggaatg gaaaggagac caagtccaac	360
taccagagtc gtgtctacca gattcctggg aagccagaaa ttgtagattc tgcccttgaa	420
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atggtgaccc cagcccgagg aggagatccc cgtccacct tctcctgtag cttcagccca	660
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agccgtgctg tcagcatcag catcatcgaa ccaggcgagg aggggccaac tgcaggctct	1020
gtgggaggat cagggtggg aactctagcc ctggccctgg ggaatcctgg aggcctgggg	1080
acagccgcc tgctcattgg ggtcatcttg tgcaaaaggc ggaacgccg aggagaggag	1140
aggaaggccc cagaaaacca ggaggaagag gaggagcgtg cagaactgaa tcagtcggag	1200
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<210> 349
 <211> 475
 <212> DNA

<213> Homo sapiens

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<222> (393)..(393)

<223> n is a, c, g, t or u

<220>

<221> misc_feature

<222> (413)..(413)

<223> n is a, c, g, t or u

<220>

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<222> (432)..(432)

<223> n is a, c, g, t or u

<220>

<221> misc_feature

<222> (443)..(443)

<223> n is a, c, g, t or u

<220>

<221> misc_feature

<222> (472)..(472)

<223> n is a, c, g, t or u

<400> 349

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gtcatgctac atccactttg cacctagtgt gaacagggtt acaaagcaag tcagtaaccc 120

ctgcatgcct gggtgctcga agttgaaaag ggggtggctct aagatgtggt ctactacctc 180

tctggactg ttgcagttgg gtgtggctga ttgaaattg tgcttcaaaa gaatgagttc 240

tagtcctga atagaggagc tcacaccaca gtgcactgta gatctttgtg atccagaagt 300

cctccagatg ttccaaaag gatcttctta aggtgtttgc tgggggatgt tgtgtgtatt 360

aggggatgtg ttcccttggg gggccttttg agncctcctg gggagagaag gcntcatagg 420

ttaatgggca tnccccagaa aantttacaa ttggggattt ggggacccca antta 475

<210> 350

<211> 2634

<212> DNA

<213> Homo sapiens

<400> 350

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<210> 352

<211> 738

<212> DNA

<213> Homo sapiens

<400> 352

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 <212> DNA
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<212> DNA
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<211> 1314

<212> DNA

<213> Homo sapiens

<400> 357

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<211> 8187
<212> DNA
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 <211> 726
 <212> DNA
 <213> Homo sapiens


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<212> DNA
<213> Homo sapiens

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<211> 524
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, t or u

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<210> 362
<211> 2415
<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA

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aaaaaaaaa aaaaaaaaaa 2779

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<210> 382
<211> 622
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, t or u

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aagggttctat acataatcgg agtaaacctt ctgttactga gttaggatag ggaaaacaaa 180
ttccttagag ttcattgaaac caattcaca atcctagaag gcacacatta tatttctcat 240
catagtaagt acatttaagt acttcatatt taaaaagac aaagctgtac agaatacaaa 300

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aagngtaatt tgagtccatt aagcaaatatt acaactttta cgattagtta ttacagtaga	360
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tgtgtcatt tatttatttg ataaggctaa taacatttta tattcacagt agatcagtaa	480
gtgtcttgga gctcatattg taaaataaaa aggtttgggc cctattgagt cactgggctc	540
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<210> 383
 <211> 937
 <212> DNA
 <213> Homo sapiens

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<210> 384
 <211> 2291
 <212> DNA
 <213> Homo sapiens

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agtggaccac ccaggaaaag tttctccaa agtaccttca ttatgacgaa gaaacctctc	360
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ccatggatga gtaaaactgt tctcaggcac ttgaggcttt cagtgatatc tttctcatta	1560
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tatcatccta taaagaaacg gtatgactta attttagaaa gaaaattata ttctgtttat	1980
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tatcatttta tagaaaatgc attatttagt caattgttta atgttggaaa acatatgaaa	2160
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<210> 385
 <211> 1963
 <212> DNA
 <213> Homo sapiens

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agcagtcggt gacgggacac agtggttggt gacgggacag agcggtcggt gacagcctca	180
agggttcacg caccgcgccc atggcagagc cagacccttc tcacctctg gagaccagg	240
cagggaaagt gcaggaggt caggactcag attcagactc tgagggagga gccctggtg	300
gagaagcaga catggacttc ctgcggaact tattctccca gacgctcagc ctgggcagcc	360
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<210> 386
 <211> 4866
 <212> DNA
 <213> Homo sapiens

<400> 386	
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aagcccaaga gagcccaaaa acagaagaaa gtagtagagg ctgtaaactc tgactcggat 4560
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aatttaa 4866

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<210> 387
<211> 319
<212> DNA
<213> Homo sapiens

```

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<400> 387
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actgggctcc tccaccggg accttttgac ctggggtctt ccagtggaa aggcggaggc 180
agaggcgggt gtggcagtgg ctggggtgtg gtggcgtgg ccgcgacggc tgctgctggc 240
tccttgggcc ccacctcgca caccgggtg accaccaccg gcgcggatga actcgcttgg 300
gtcgcaagga gctgcaaa 319

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<210> 388
<211> 408
<212> DNA
<213> Homo sapiens

```

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<400> 388
tttttttttt tttttttttt tttttttttt tttttttttt ttttttttcc ccatgggaag 60
aaactttttt ttaaaaaaaa aaaaacgggg gggaaaaacc ctttgactta ccttcagta 120
gtcattcccc ctttttacgg gccaatcaa aaccttggtt tccgggggaa tggacggaa 180
aattacattt ggacaacttt ttttctttt atccccaact ttggccaaaa agcaaaaaaa 240
ggcctttttt ttataaaaaa agaataaatt cccccagggt tttttaaaaa aatttcccc 300
ccccggccct taaaaggga aaaaaacaag gactttttta aaccgaaaa ccccttttt 360
ggggtttttt taaaaaactt aaaaacggg ggttttttcc ccttaaa 408

```

```

<210> 389
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<400> 389

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acaaggagct aataccccaa tatatacaga gtcagaaagt tattatgaaa gacattaaca      180
tatagcaaaa caagcaatgg ccatgtggta tcacagaaaa ttctggaatt tcatatcaag      240
ggatgatagga ggctcttttg ttttagtgag acaatttttt tttttttttt tgagacacag      300
tctcgtctcg tcaccaggc tggagtgaag tgggtcgatc tcggtcact gcaagctccg      360
cctccagggt tcacgccatt ctctgcctc agcctccga gttagctggga ctacagggtgc      420
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```

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<210> 390
<211> 598
<212> DNA
<213> Homo sapiens

```

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<400> 390
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tgttaaatac tcaagccaac cgaaacacaa accaaagtaa agaatttaga taagaaagac      240
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gaattcctca gtgatatgcc aggaacacagg aagaatttcc actagccaaa gttctgagga      480
agttacaggc aggaaaaaag ataagggtta ccattctttt ttagtcaata aagctatgcc      540
cactctaggt actttcctta gaaacatgga gtcttcccag cagagaaagg aaagctag      598

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<210> 391
<211> 383
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, t or u

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<220>

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<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, t or u

<400> 391
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ttcacaaatga acaagaactt aaccaaattt atctatcata ctaaagtatt tcagaaatga      120
atattgaaaa cagcctgtaa gttttcatcc aatatttaaa accacctcct ggaactaaaa      180
ttggtcttca aaaatcatgg gcgtattaac attttccaaa catgccctgc tggactagga      240
aggctctggt attctttctt ttgaacttcc cagtaagttt ccttggtccc tattcctagg      300
gtttaaagtg gcaaaggggac tttttatgag gctattaggg ncaagnttcc ttccattgga      360
aatnaaact tttggcggga aat                                          383

<210> 392
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (521)..(521)
<223> n is a, c, g, t or u

<400> 392
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aaacaaaaga gaaggatgat gagacagaga attacagcag tagaaaggaa aacagaaacc      120
agggcacaca gttccaacac cagaacagag aatttgggaa gataattgct ctgaaacaga      180
actggcctcc ctgtgtctat tagaaaaaat ttccaaagct cactggaggga ggccaacttc      240
ccctatggga aaccatttca ctgcgcaaag ggcagaaggc atcataaatc acccattgat      300
acattggtgg ggggtcctcg tcccctcgtg gaccactcca aggtgatttg atctgtgctt      360
cctctgttgg gtcagagacg aaacgggcta ttattaggtc aaacattaca gaaatcaact      420
gagactctta actagtagtt gataccacc agggttttac tttactgcac aattactaac      480
agttgattgc acccttaagt attgattatg caaaaaacaa natcatctcg catcagtttt      540
aaagcatgac agggtttgaa cagtgatctt gaa                                          573

<210> 393
<211> 497
<212> DNA
<213> Homo sapiens

<400> 393
cacacacata tcttttttatt tgagagttaa aaaggaaatc tgagggtccag aggatcacag      60

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 gaaccaaagc cccgccagga actgcttccc ctaaactgag gttctctgaa aaaaatgttc 240
 gcctggctga taaagccgcc tcttaacaga gccagacac tctgtgctt cccctggggt 300
 gctaattgag gacactaaag ccctaagaga taccgccagt cgggggaagg ggcaccaaga 360
 cctagacctc cgggtggcag catgcccctg agaggatggg agctgaattg gagcacgaga 420
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 tcagacagac acagact 497

<210> 394
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 394
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 aaagaatgag taaaatactg ctttgtccca aaggacaagc agaaaatggt aaggcacaac 120
 ggatgctcag aaaacgtaag aagctgaagg gaaaacacat catctgtgta ctcagacaca 180
 cacactccaa cccatcacac gaacacaccc tcgcccgcgc atcagagaag aattcgctg 240
 gaatcagctg ggggcggtgg ctcacgccta taatcccagc accttgggag gttgaggcgg 300
 gcagatcatg aggtcaggag ttcacgacca gcctgaccaa catggtgaaa ccctatctct 360
 actaaaaata caaaaatcag cggggcctgg tggcatgcac ctgtaatccc agctactcag 420
 gagggtgagg caggagaatc gcttgagaca gaggttgtag tgagccgaga tgcgccactg 480
 cactcctgcc tgggcaacag agcaa 505

<210> 395
 <211> 2283
 <212> DNA
 <213> Homo sapiens

<400> 395
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 actcagaagc tttccttggt ttcttcaggc ctgctcccag tttttctaac agtttctttt 180
 gttgctttct ctctcccttg ttgctttcca tggcagtaat cctctagag tccaagcagt 240
 ctgttgtagt gagcagggtg tgtgggtttt ctgggcccat cattatggct gcttcagagt 300
 cagaagaaag ccatagggca gtaggggagc tcctattgcc tageccctct cctttgtgg 360
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ctccctccct aagcccttgc tactttatgg gttagctttg cagggttggg ggcttgaggg	480
gtgggggcaa ctccacctg ccaggttaact ccctgaaggg tgggagtgga ttatctctcta	540
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cacctgcgca atgttgtgt tgctgctttt ttgatttgta tctctgttta tagacatttt	1260
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gaatcttaac ttatcttaat gatatttacc tatcctttt gcaactcaca actgactttg	1620
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acataaacac acatgcattg gttcatctc tgacacaccc acacaacacc aacaaacatt	1860
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tacagaaagt gatgtgttca aaacattagc aaattaaggc tgaatgtggt tggctcatgc	2160
ctgtaatccc agcatttttg gaggtgagg caggaggatt gcttgagccc agggaggtga	2220

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aaa 2283

<210> 396
 <211> 1634
 <212> DNA
 <213> Homo sapiens

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 gggctgactc ggggacggcc tgggtgctgc cctgggcccg gggaacagaa cacacatctg 180
 gctttttgtt agaggtcttc atggaaagag tggtagatgc tgggatgagc atctttctga 240
 agaaaaatgc ccattcatta agcagttggt ctctgatgaa gataaagccc aattagcaag 300
 taaactgtgt cctctgaaag atgaaccatg gcctatacat ccttgggaac caggttcctt 360
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 aaagcatgtg gtcacattac ttcagggtaca agactgtcat gtcttaaaat atacgtcaaa 480
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 tcgtaaaagt acatccatat tggaaattta cggggaactt gggattgcgc cgaacagac 600
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 cttttattaa agttttgtca atctttgtga aatagtgggt gtggaacagt agaaaacct 1500

atgggggacta tagtgcaacc tatttgggta aagaaacccat ttgctaaaaat ggagaaaagta 1560
aatagatgttt tattttaaatt acagaaacat gttaaaggcc ggacaaaagga aagacaataa 1620
aatcataaat tatc 1634

<210> 397
<211> 1943
<212> DNA
<213> Homo sapiens

<400> 397
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gaaggacgcg gcgtctgggg agcaccagg cagcaagacg gggccggggc ttctgacagt 180
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aatacacagt ttctatatga cctggttatg acccatgctc ttcatgtggc cagtcttacc 420
gttcagtggc ttctgaagt gactaaacct gaaggaaaag attatgccct tcattggcta 480
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cccaatgatg atgcacagtt tgatgcttcc cattgtgaca gtgacaggg tgaatttggg 600
ggctttggtt ctgtaacagg aaaaattgaa tgtgaaatta aaatcaatca cgaaggagaa 660
gtaaaccgtg ctgcttatcat gccgcagaat cctcacatca ttgctacaaa aacaccatct 720
tctgatgtgt tggtttttga ctatacaaaa caccctgcta aaccagacc aagtgagaaa 780
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ttaagtaaaa ttggggaaga acaatcagca gaagatgcag aagatgggc tccagaactc 1380
ctgtttatct atggaggaca cactgctaag atttcagatt ttatgctggaa cccaatgag 1440

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ccttgggtca tttgtcagtg gctcaggatg aacatcatgc agatatggca aatggctgaa 1500
aatattttaca atgatgaaga gtcagatgtc acgacatccg aactggaggg acaaggatct 1560
taaaccctaaa gtacgagaaa tgtttctgtt gaatgtaatg ctacatgaat gcttgattta 1620
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tatcctctga ttctagcatt tcaagtgcgc tgttcgtac tgtatcatat tgtagctatt 1740
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agggtattgc ctttgattca actgttttaa gtccctcatt tctcaacta agtgcttgct 1860
gttcccaaat atgcaagaat aacttttaca ctttttcctt ccaacacttc ttgattggct 1920
ttgcagaaat aaagttttaa aat 1943

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<210> 398
<211> 594
<212> DNA
<213> Homo sapiens

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<400> 398
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aaggagaagc tcccgcggta ctacaagaac atcggctcgg gcttcaagac acccaaggag 180
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cgagactatc tgcaactacat ccgcaagtac aaccgcttcg agaagcgcca caagaacatg 360
tctgtacacc tgtccccctg cttcagggac gtccagatcg gtgacatcgt cacagtgggc 420
gagtgccggc ctctgagcaa gacagtgcgc ttcaacgtgc tcaaggctac caaggctgcc 480
ggcaccaaga agcagttcca gaagtctga ggctggacat cggcccgctc ccacacatga 540
aataaagtta ttttctcatt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 594

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<210> 399
<211> 2141
<212> DNA
<213> Homo sapiens

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<400> 399
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cctgcctggc ccgggtcccc gcgccccgag acgcgcgtcg ctggcagct cctgctggc 180
tgggtctctg ccaggtggc cggcgcttca ggcaactaca atactgtggc agcatataat 240
ttaacttga aatcaactaa tttcaagaca attttgagtg ggaacccaa acccgtaat 300

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caagtctaca ctgttcaaat aagcactaag tcaggagatt ggaaaagcaa atgcttttac	360
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ttggcacggg tcttttccta cccggcaggg aatgtggaga gcaccgggtc tgctggggag	480
cctctgtatg agaactcccc agagttcaca ccttacctgg agacaaacct cggacagcca	540
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caggagaaa gggaattcag agaaatattc tacatcattg gagctgtggt atttgtggtc	900
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cagagctgga aggagaactc cccactgaat gtttcataaa ggaagcactg ttggagctac	1020
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caaatgagta tttcggagca tgaagaccct ggagtcaaa aaactcttga tatgacctgt	1140
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gctgacttca atccatgtag gaaagtaaaa tggaaggaaa ttgggtgcac ttctaggact	1740
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aacatttgag agetaactat atttttataa gactactata caaactacag agtttatgat	1980
ttaaggtagt taaagcttct atgggtgaca ttgtatatat aattttttaa aaaggttttt	2040
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<210> 400
<211> 1102
<212> DNA
<213> Homo sapiens

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cctcagacct tcagatcgc ttctctctgc acaaaactat ttgtgcgagg aataaagatg 180
gctgctgaac cagtagaaga caattgcac aactttgtgg caatgaaatt tattgacaat 240
acgctttact ttatagctga agatgatgaa aacctggaat cagattactt tggcaagctt 300
gaactctaat tatcagtcac aagaaatttg aatgaccaag ttctcttcat tgaccaagga 360
aatcggcctc tatttgaaga tatgactgat tctgactgta gagataatgc accccggacc 420
atatttatta taagtatgta taaagatagc cagcctagag gtatggctgt aactatctct 480
gtgaagtgtg agaaaatttc aactctctcc tgtgagaaca aaattatttc ctttaaggaa 540
atgaatcctc ctgataacat caaggataca aaaagtgaca tcatattctt tcagagaagt 600
gtcccaggac atgataataa gatgcaattt gaatcttcat catacgaagg atactttcta 660
gcttgtgaaa aagagagaga ctttttttaa ctcattttga aaaaagagga tgaattgggg 720
gatagatcta taatgttcac tgttcaaac gaagactagc tattaaaatt tcatgcgggg 780
cgcagtggtt cagcctgta atcccagccc ttggggaggc tgaggcgggc agatcaccag 840
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ctaaaaatta gctgagtgta gtgacgcatg cctcaatcc cagctactca agaggctgag 960
gcaggagaat cacttgcact ccggaggtag aggttggtgt gagccgagat tgcaccattg 1020
cgctctagcc tgggcaacaa cagcaaaact ccatctcaaa aaataaaata aataaataaa 1080
caaataaaaa attcataatg tg 1102

<210> 401
<211> 1437
<212> DNA
<213> Homo sapiens

<400> 401
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atggatccaa attttctggt gcaagtgcag gagtcaatga cggtagagga gggtttgtgc 120
gtctctgtgc cctgcacttt cttccatccc ataccctact acgacaagaa ctcccagatt 180
catggttact ggttcgggga aggagccatt atatccgggg actctccagt ggccacaaac 240

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aagctagatc aagaagtaca ggaggagact cagggcagat tccgcctcct tggggatccc 300
agtaggaaca actgctccct gagcatcgta gacgccagga ggagggataa tgggttcatac 360
ttctttcgga tggagagagg aagtaccaa tacagttaca aatctcccca gctctctgtg 420
catgtgacag acttgaccca caggcccaaa atcctcatcc ctggcactct agaaccggc 480
cactccaaaa acctacctg ctctgtgtcc tgggcctgtg agcagggaa acccccgatc 540
ttctctcggt tgtcagctgc cccacctcc ctgggcccga ggactactca ctctctgggtg 600
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gctggagctg gtgtgactac ggagagaacc atccagctca acgtcaccta tgttcacag 720
aaccacaaca ctggtatctt tccaggagat ggctcaggga aacaagagac cagagcagga 780
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<213> Homo sapiens

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 <213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA
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<223> n is a, c, g, t or u

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<220>
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<223> n is a, c, g, t or u

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <211> 3998
 <212> DNA
 <213> Homo sapiens

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<210> 419
<211> 1326
<212> DNA
<213> Homo sapiens

<400> 419
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<210> 421
 <211> 1450
 <212> DNA
 <213> Homo sapiens

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 <211> 1696
 <212> DNA

<213> Homo sapiens

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<210> 423
 <211> 817
 <212> DNA
 <213> Homo sapiens

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 ggtgtgcgc ttagggtatt atggcgaatt attatgg 817

<210> 424
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 424
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aagccagggc ctctcccgct gtccaacccc gaggaataac ttccagcggc ccaagcacac	660
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togaagtagt ctacctcgag tgagaaccgt ggcaacagtg gggcccgggg tgcccaaatg	780
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<212> DNA	
<213> Homo sapiens	
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<210> 426
<211> 975
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, t or u

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agggggaaaa ggccc 975

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<210> 427
<211> 632
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, t or u

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gcaatcagga aatgccatgt gacattcttg ataaagacga aacacacaca catttcacag 540
cacttattgt ggccacagtg gttttggcca ttgtgtgggc accacagtct cagtgcaggg 600

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632

<210> 428

<211> 816

<212> DNA

<213> Homo sapiens

<400> 428

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<400> 445

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 ggaaaaacag tgtaacctac tagagctcaa gactgagtg ccaggcagaa gatgtttttc 180
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<212> DNA
<213> Homo sapiens
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<211> 258
<212> DNA
<213> Homo sapiens
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<211> 309
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 <213> Homo sapiens

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 gcctctaggc catcactact ccaggctggt tatgactcag aagatgttat ctga 174

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 <212> DNA
 <213> Homo sapiens

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 <211> 710
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 <213> Homo sapiens

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<210> 466
 <211> 630
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 467
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 467
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 gaaactccgt ctcaaaaaca aaagaaaaag aaaggagcca tggagcccca ggtaggccag 180
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 <212> DNA
 <213> Homo sapiens

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 <211> 2317
 <212> DNA
 <213> Homo sapiens

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<210> 470
<211> 241
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, t or u

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caaagcgatg agtctccagc aaaagccggg ggaacttttt cgcggcgctc gggatcctga 180
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g 241

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<210> 471
<211> 389

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<212> DNA
 <213> Homo sapiens

<400> 471
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 ttcatttttt atccttttct tggtatatatt tatctaaca ccttgatcca tgacaatgtg 180
 aaaaaaaaa acaataagtt ttcttctatg tgacttacag caacatagca agtatgttac 240
 gatattaaat attttatttt ctaaccttct aaaattaaga acttatgaat aaatgagatg 300
 actctcagaa tatgaacaga aaagtctact tctgaacata aaaatgtaat cagaaacaat 360
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<210> 472
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (487)..(487)
 <223> n is a, c, g, t or u

<400> 472
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<210> 473
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (499)..(499)
 <223> n is a, c, g, t or u

<220>
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 <222> (554)..(554)
 <223> n is a, c, g, t or u

<400> 473
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 <211> 2389
 <212> DNA
 <213> Homo sapiens

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<210> 475

<211> 6454

<212> DNA

<213> Homo sapiens

<400> 475

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<211> 796

<212> DNA

<213> Homo sapiens

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<210> 491
<211> 925
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (681)..(681)
<223> n is a, c, g, t or u

```

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<400> 491
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ggcgcaaaa aaaacatag cattctgaaa caataggggg cccacatgga ccagtatgt 240
cactttaatg gacttcaaga aaaaatctga atgggaaaaa tgactactga atgtatactc 300
cacacatttt atgcatata atgggtgtgtt ttcttaattt gtttcttgtg gcgaaatgtg 360
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tgtgtccat ctgcgcaaat actggccagt ccctttatga caggcacaca gaaacatag 660
catgggtctg gtttcagaaa natggctctc atcttctctg ggaaccttat ttgcttaat 720
gtttggtttc tgggtattct gttggtacct cacagcacat tgtgacatgg tgatgectca 780

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ttgctgatat ggtcctgtgg ttatgtgcac tctttccttg agagtccaaa caaaaaaaaa	840
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gccccatgagt aaaacgtaaa gaaca	925

<210> 492
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 492 aactgctgtt tttcatttta ttttctaaat ttttcaagtt ttctacaatg actttgtgtt	60
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ataaagccgc cagctcgaag caactggcgc tacatcacaa taggaggtcg cgcagcctgg	180
atgctcgaga ggccagcccg gcagcgtggg gaggaggtct cttcctcgtg agctacatga	240
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aagactcgct aggccccagc tgcgcggcct ccccagaggc tggtcagaat tccatcccag	360
gtccacagtg cacattccag agaaatagtg agacagacat gcgacatgag gagcctctca	420
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ccagcc	486

<210> 493
 <211> 884
 <212> DNA
 <213> Homo sapiens

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ckgtatgctt ttgtcttctc atttgccttt agggcagatg acactttttt ccaccctttt	300
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gcatagrgtt cagagackgg raackgaatt kccccgcag kttcactttg ggggtaaatc	480
acccaatttt aggcgccktk cggcaagggg ggccaaaatk aakcatkkkk aaraagtaga	540
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tggtgccc atagccggag ccctttttct catttgagaa tctctccct actaagtgtt 780
 aagcttagag tgaagggc ac tctactgga ccaaaggaga ggggattgga gaattgtttt 840
 aagttttata cattaggtca gtattccatc ttcccacccc cagc 884

<210> 494
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 494
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 gcgcgcctcg ccagcactcg gcttgaatc cagcgtcaa cgcagttccc gctcgtattt 120
 gaggaagcaa aggtccaga gctccagctg ggcgggaaac ggagcagggtg gggctagggg 180
 tttgaatcgc ccgccttttg ggaaaaggtt gtctgcgaac caattggta cttcttttca 240
 ctttttaate agccgtgcct cttccggcct aaacctcagg tagctacagc gtgcagtact 300
 tgacgctgtg tttatatcag acagcactgc cagtctgaaa caaaactttc tgaatttcct 360
 aatccccaga gccagcgtga gaagtagact tgagcctgtt ctctccctt gaacttttct 420
 tttacacgag tacaacaaaa aacaagaaca gagacaagtc gtagtggtgc tagtgataag 480
 gcagattttt caccaagcct aaaaagcttt taaaactctg gtcccataa 529

<210> 495
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 495
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 cctctcctga tttttcataa ttttattaaa tcatcactgg gtaactaat gggttgctga 120
 tcacacaatt aactacaat ctgataggag tggtaaaacc agccaatgga atccaggtaa 180
 agtacaaaaa cgccaccttt tattgtcctg tcttatttct cgggaaggag ggttctactt 240
 tacacatttc atgagccagc agtggaactg agttacaatg ttaggttcc ttgtggttat 300
 agctgcagaa gaagccatca aattcttgag gacttgacat ctctcggaag gaagcaaac 360
 agtagactga tgagctggat tgcttagatt gataacattt acaaat 406

<210> 496
 <211> 2641
 <212> DNA
 <213> Homo sapiens

<400> 496
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aacaggagaa atcaatgggt ctgccaatta tgagatgttt atatttcaca acggagggtgt	180
acaaatttta tgcaaatatc ctgacattgt ccagcaattt aaaatgcagt tgctgaaagg	240
ggggcaaata ctctgcgac tcactaagac aaaaggaagt ggaaacacag tgctccattaa	300
gagctgaaa ttctgccatt ctcagttatc caacaacagt gtctcttttt ttctatacaa	360
cttgggacct tctcatgcca actattactt ctgcaacct tcaatttttg atcctcctcc	420
ttttaaagta actcttacag gaggatatct gcatatttat gaatcacac tttgttgcca	480
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catacttatt tgttggttta caaaaaagaa gtattcatcc agtgtgcacg accctaacgg	600
tgaatacatg ttcatgagag cagtgaacac agccaaaaaa tctagactca cagatgtgac	660
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caaatttatt ttattatcct attttctacc attatctatg ttttcatggt gctattaatt	1620
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ccagcattct catggggtag agcagaatat tcatttagcc tgaaagctgc agttactata	1740
ggttgcgtgc agactatacc catgggtgct ctgggcttga cagggtcaaa tgggtcccat	1800
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cagaggccac taggtattct tgctcccaga ggctgaagtc accctgggaa tcacagtgg 1920
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g 2641

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<210> 497
<211> 613
<212> DNA
<213> Homo sapiens

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<400> 497
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gggttggagg aattaacacag aatggagggt cgttggggtg ataaaggatc tactgaggaa 180
ggtgcaaggc tagagaaagc caaaaatgct gtggtgaaga ttctgaaga aacagaggaa 240
cccatcaagc ctagaccacc tcgaccaga cccacacacc agtctcctca gacaaaatgg 300
tacaccccaa ttaaaaggtc ctctgatgct ctctgggctt tgttgacgc gacgtatgac 360
cggtttctt tcatgcgacc tcaggaagga gatgagggcc ggtgcataaa cttatccoga 420
gttccatctc agttgatgtt catccaaatg aacgacatca agtgcatctc agaagctttt 480
ggagagcagc ttaattgtct tcaactcgga aatgttttct ctgccttatg ctatgcttgc 540
accaaacatt tctaaacact tgtgtctgca tctccatggg aggtgatgaa actcagtggt 600
aactcatgat taa 613

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<210> 498
<211> 1110
<212> DNA

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<213> Homo sapiens

<400> 498
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 gctctgtgag ccccatggcc cgcgccagc tctcggcgc cccagcaat ccccggtcc 120
 tgcgggtggc gctgtgtct ctgctcctgg tggcggccag ccggcgcga gcaggagcgc 180
 ccctggccac tgaactgcgc tgcagtgct tgcagacct gcagggaatt cacctcaaga 240
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 tcatgaaaa gatgctgaaa aatggcaaat ccaactgacc agaaggagg aggaagctta 420
 ttggtggctg ttctgaagg aggcctgcc ttacaggaac agaaggagg agagagacac 480
 agctgcagag gccacctggc ttgcgcctaa tgtgtttgag catacttagg agaagtcttc 540
 tattttatta ttattttatt tatttgttg ttttagaaga ttctatgta atattttatg 600
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 tttaggtaaa acccaagta gttcaatcct gattcatatt taatttgaag atagaaggtt 720
 tgcagatatt ctctagtcat ttgttaatat ttctctgtga tgacatatca catgtcagcc 780
 actgtgatag aggctgagga atccaagaaa atggccagta agatcaatgt gacggcaggg 840
 aaatgtatgt gtgtctattt tgtaactgta aagatgaatg tcagtgtgta ttatttgaaa 900
 tgatttcaca gtgtgtggtc aacatttctc atgttgaaac tttagaact aaaatgttct 960
 aaatatccct tggcatttta tgtcttctct gtaagatact gccttgttta atgttaatta 1020
 tgcagtgttt ccctctgtgt tagagcagag aggtttcgat atttattgat gttttcaca 1080
 agaacaggaa aataaaaatat ttaaaaatat 1110

<210> 499

<211> 805

<212> DNA

<213> Homo sapiens

<400> 499
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 cactgcacag aggaggaggc agcagaacct cacttcagct tcttaggact ctgcacttcc 120
 ccagaaggaa gaattaaaaa tgaatatgtt caaggagca gtgacctta aggacgtggc 180
 tgtggccttc acggaggagg aattggggct gctgggcctt gccagagga agctgtaccg 240
 agatgtgatg tgggagaact ttaggacct gctgtcagtg gggcatcac ccttcaaaaa 300
 agatgtatca cctatagaaa gaaatagca gctttggata atgacgacag caacccgaag 360
 acagggaat ttagatacct tacctgtaaa agctcttttg ctctatgacc tgggtcaaac 420

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ttaaacttgg atttgaagtt agaagaaatg ttggaagtca tttatatatg aagaaatggt 480
ggaaggactc atatatgcat acattccttg agtgactatg aatgactgcc gggcagtaac 540
ttctgggctg tgggtgtaaa ctgtgagcac tacaaaatgt ttttccttat tgataccata 600
ttatggtagg aaagacatgg aataaaaaat ttagatagta tgtcagtagt tgtgttttta 660
aatgggttcc attagtgttc agcaattggg agcttggtgg accatctctt ggttttggac 720
catctcttgg tttctgtcag tatgtaaacc agaaacttca aatgtgtcac aaaagatgag 780
cagaactatc cggaggttca ttaaa 805

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<210> 500
<211> 378
<212> DNA
<213> Homo sapiens

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<400> 500
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caggcctgct gtgcactcct gtggcatcgg ggggcggggg gcaagcatca cagtcatagg 180
gagtgtgagg cgcccagaat gggggctcca cagtccaggcc tgcaccccg ctgcaggata 240
ccagatcctg tggttcactg tgagaectec gcctctctcg tctgccttac gctgccccct 300
cgcaccccca aggtatgacg gcatttgaac aatgcacgtg cccatctaga gccttgggggt 360
gggcctgtga gagagtgg 378

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<210> 501
<211> 601
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, t or u

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<220>
<221> misc_feature
<222> (540)..(540)
<223> n is a, c, g, t or u

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<400> 501
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tgccctcgag ggccagtcgt tggcatgaca agaaatgcag gggtgcaagt gttggggctg 180
ccctttggca ctcactgggg tgggtcaggg gagagcaaac accaagggtc tctggagacc 240

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ggaaccagcc agtgcagcca ttggtctct cctcaggac cagctgtcag tccccaggcc 300
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 agatggccag ctgctcaatc aggatgatga gcaggctacc acccaccact agccccaagt 420
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 tgaaggctga gctcatatnc cagagttggt ctgaacgtg ctccagttcg gtcagctttn 540
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 g 601

<210> 502
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<400> 502
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 tgcagaatgt gattaatact gtgaagggaagg ggcactgga agtggtctgag tacctgaccc 180
 cggctctcaa ggaatcaaag tttaaggaaa cagggtgtaat taccocagaa gagtttgtgg 240
 cagctggaga tcacctgctc caccactgtc caacatggca atgggtctaca ggggaagaat 300
 tgaaagtgaagg ggcataccta ccaacaggca aacaattttt ggtaaccaa aatgtgccgt 360
 gctataagcg gtgcaaacag atggaatatt cagatgaatt ggaagctatc attgaagaag 420
 atgatgggtga tggcggatgg gtagatacat atcacaacac aggtattaca ggaataacgg 480
 aagccgttaa agagatcaca ctggaaaata aggacaatat aaggcttcaa gattgctcag 540
 cactatgtga agaggaagaa gatgaagatg aaggagaagc tgcagatatg gaagaatatg 600
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 aattttaagt gtccgaataa gatatgtctt ttttgtttgt ttttttgggt tgggtgtttg 4920
 ttttttatca tctgagattc tgaatgtat ttgcaataa tggatcaatt aatttttttt 4980
 gaagctcata ttgtatcttt ttaaaaacca tgttgaggaa aaagccaga gtgacaagtg 5040
 acaaaatcta ttttaggaact ctgtgtatga atcctgattt taactgctag gattcagcta 5100
 aatttctgag ctttatgac tgtggaaatt tgggaatgaa tcgaattcat tttgtacata 5160
 catagtatat taaaactata taatagttca tagaaatgtt cagtaatgaa aaaatatatc 5220
 caatcagagc catcccgaaa aaaaaaaaaa aa 5252

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 <213> Homo sapiens

<400> 1041
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<210> 1042
 <211> 841
 <212> DNA
 <213> Homo sapiens

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 aagtgttctt ctaaattaga aaggcatcac tactaaaaatt ttatacatat tttttatata 120
 agagaaggaa tattgggtta caatctgaat ttctctttat gatttctctt aaagtataga 180
 acagctatta aaatgactaa tattgctaaa atgaaggcta ctaaaattcc ccaagaattt 240
 cgggtgaaatg cccaaaaatg gtgttaagat atgcagaagg gcccatctta agcaaagcaa 300
 tctctccacc ctttcataaa agattttaagc taaaaaaaaa aaaaaaagaa gaaaatccaa 360
 cagctgaaga cattgggtta tttataaaat ttctcccagt ccccgagaca gcctcacatg 420
 ggggtgttaa acagctaact aaaatatctt tgagactctt atgtccacac ccaactgacac 480
 aaggagagct gtaaccacag tgaaactaga ctttgcttct ctttagcaag tatgtgccta 540
 tgatagtaaa ctggagtaaa tgtaacagta ataaaaaaa ttttttttaa aaataaaaat 600
 tatacctttt tctccaacaa acggtaaaaga ccacgtgaag acatccataa aattaggcaa 660
 ccagtaaaaga tgtggagaac cagtaaaactg tcgaaattca tcacattatt ttcatacttt 720
 aatacagcag ctttaattat tggagaacat caaagtaatt aggtgccgaa aaacattgtt 780

attaatgaag ggaacccctg acgtttgacc ttttctgtac catctatagc cctggacttg 840
a 841

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<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, t or u

<220>
<221> misc_feature
<222> (569)..(604)
<223> n is a, c, g, t or u

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ngagaaggaa tattgggtta caatctgaat ttctctttat gatttctctt aaagtataga 180
acagctatta aaatgactaa tattgctaaa atgaaggcta ctaaatttcc ccaagaattt 240
cgggtgaatg cccaaaaatg gtgttaagat atgcagaagg gcccatttca agcaaagcaa 300
tctctccacc ccttcataaa agatttaagc taaaaaaaaa aaaaaaagaa gaaaatccaa 360
cagctgaaga cattgggcta tttataaatc ttctccagct cccccagaca gcctcacatg 420
ggggctgtaa acagctaact aaaatatctt tgagactctt atgtccacac ccactgacac 480
aaggagagct gtaaccacag tgaactaga ctttgcttct ctttagcaag tatgtgccta 540
tgatagtaaa ctggagtaaa tgtaacagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnncctttt tctccaacaa acggtaaaga ccacgtgaag acatccataa aattaggcaa 660
ccagtaaaga tggggagaac cagtaaacctg tcgaaattca tcacattatt ttcatacttt 720
aatacagcag ctttaattat tggagaacat caaagtaatt aggtgccgaa aaacattggt 780
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a 841

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<212> DNA
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<210> 1045
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, t or u

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 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120
 ctgtcggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180
 accatgacga gagcttggca gaataaataa cttctttaaa caattttacg gcatgaagaa 240
 atctggacca gtttattataa tgggatttct gccacaaacc ttggaagaat cacatcatct 300
 tanncccaag tgaaaactgt gttgcgtaac aaagaacatg actgcgtcc acacatacat 360
 cattgcccgg cgaggcggga cacaagtcaa cgacggaaca cttgagacag gcctacaact 420
 gtgcacgggt cagaagcaag ttaagccat acttgctgca gtgagactac atttctgtct 480
 atagaagata cctgacttga tctgtttttc agctccagtt ccagatgtg cgtgttgtgg 540
 tccccaaagta tcaccttcca atttctggga gcagtgtctt ggccggatcc ttgccgcgcg 600
 gataaaaac 609

<210> 1046
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 1046
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<210> 1047
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 1047
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<210> 1048
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 1048

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ggccagtgaa ttgtaatacg actcactata gggaggcggg tttttttttt tttttttttt      60
ttt                                                                    63

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<212> DNA
<213> Homo sapiens

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gcatecccca aagttcacia tgtggccgag gactttgatt gcacattggt gttttttaat      120
agtcattcca aatatgagat gcattgttac aggaagtccc ttgccatcct aaaagcacc      180
cactctctct taaggagaat gggccagtc tctcccaagt ccacacaggg gagggatagc      240
attgctttcg tgtaaattat gtaatgcaaa atttttttaa tcttcgcctt aatctttttt      300
attttgtttt attttgaatg atgagccttc gtgccccccc tccccctttt tttccccaa      360
cttgagatgt atgaaggctt ttggtctccc tgggagtggt tggaggcagc cgggcttacc      420
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<210> 1050
<211> 491
<212> DNA
<213> Homo sapiens

<400> 1050
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aaatatgttg ttggagagct catttggat tttgccgatt tcatgactga acagtcaccg      120
acgagagtgc tggggaataa aaaggggatc ttcactcggc agagacaacc aaaaagtgc      180
gcgttccttt tgcgagagag atactggaag attgccaatg aaaccaggta tccccactca      240
gtagccaagt cacaatgttt ggaaaacagc ccgtttactt gagcaagact gataccacct      300
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gactgttcac ggcagaccag aacgtttctg gcctgggttt tgtggtcatc tattctagca      420
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<400> 1051
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<210> 1052
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<213> Homo sapiens

<400> 1052
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<210> 1053
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<213> Homo sapiens

<400> 1053
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<210> 1054
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<213> Homo sapiens

<400> 1054
gggggcttag tttgettctt 20

<210> 1055
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<400> 1055
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agcgttcctt ttgcgagaga 20

<210> 1057
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<213> Homo sapiens

<400> 1057
cgggctgttt tccaaacatt 20

<210> 1058
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<213> Homo sapiens

<400> 1058

gaagggacac gcagggtgga

20

<210> 1059
<211> 20
<212> DNA
<213> Homo sapiens

<400> 1059
taccacctgc gtgtcccttc

20

<210> 1060
<211> 21
<212> DNA
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<400> 1060
gaggcacttg ttctgctgct g

21

<210> 1061
<211> 327
<212> DNA
<213> Homo sapiens

<400> 1061
ggggactctg gaggccctct tgtgtgtaac aaggtggccc agggcattgt ctcctatgga
cgaaaacaatg gcatgcctcc acgagcctgc accaaagtct caagctttgt acactggata
aagaaaacca tgaacgcta ctaactacag gaagcaaact aagccccgc tgtaatgaaa
caccttctct ggagccaagt ccagatttac actgggagag gtgccagcaa ctgaataaat
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ctgaataaat acctcttagc tgagtgg

60

120

180

240

300

327

<210> 1062
<211> 20
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<213> Homo sapiens

<400> 1062
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20

<210> 1063
<211> 20
<212> DNA
<213> Homo sapiens

<400> 1063
aaacaatggc atgcctccac

20

<210> 1064
<211> 20
<212> DNA

<213> Homo sapiens

<400> 1064
tcattacagc gggggcttag

20

<210> 1065

<211> 20

<212> DNA

<213> Homo sapiens

<400> 1065
gggggcttag ttgcttcct

20